

PHYSTAT.ORG
The Phystat Physics Statistics Code Repository

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Project Status Report
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phystat.org is: “An open, loosely moderated repository for code, tools, and documents relevant to statistics in physics applications. Search and download access is universal; package submission is loosely moderated for suitability.”

PHYSTAT precursors & conferences:

- 2000 CERN workshop
- 2000 Fermilab workshop
- 2002 Durham Conference
(statisticians join)
- 2003 SLAC Conference
(astronomers join)
- 2005 Oxford Conference

Each included some discussion of
practical software.

Prof. J. Linnemann (MSU) began
discussing a software repository in
2000.

- August 2005 workshop organized by JL and MF, to “assess interest in software repository”; MP involved at request of JL.
- JL presented a paper at PHYSTAT05 on idea for repository. MP attended PHYSTAT05 for discussion. Level of interest is high.
- JL and MF wrote proposal for project, describing Fermilab’s involvement.

- **phystat.org** domain name established with help of CCF/DCN and CSS/CSI
- Site uses mandated toolkit: **Plone**
- Most coding (and all Plone tailoring) done by M. Mengel
- Project proposal has (up to) 3 phases.
 - statistical software archive
 - value-added activities (*e.g.* re-usable packages, organized evaluation)
 - linkable toolkits
- We are implementing phase 1.
- The site is now active:
`http://phystat.org`
- Some content is available (3 packages)
- Most major site functionalities at least partly implemented

- improve navigability & usability of site
- enhance searching mechanisms
- make “product” submission simpler
- need continued assistance of MM until MF and MP gain sufficient Plone competence
- MP and MF: Continue to evaluate suitability of Plone for this site. We need to have:
 - a mechanism for collaborative code development (code in CVS?)
 - a methodology for testing code before deployment to live site

Policy and priority guidance from **steering committee**.

- Jim Linnemann, Michigan State (Chair)
- Harrison Prosper, Florida State
- Louis Lyons, Oxford
- Glen Cowan, Royal Holloway
- Kyle Cranmer, Brookhaven
- Roger Barlow, Manchester
- Mark Fischler, Fermilab